Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
	Asphalt Road	Sqm	1	2300.00	0.45		1035.00		
	Asphalt Cross Cutting		326	7.50	0.45		1100.25		
						Total	2135.25	17.93	38281.00
	Basic Rate	16.60							
	Area weightage @ 8%	1.33							
	Total	17.93							
19	KSRRB M500-18. Providing and laying **Semi Dense Bituminous Concrete** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% bitumen 60/70 grade (Grading II) (I-21.20.2, P-178 of KPWD SR 2013-14)								
	Asphalt Road	Cum	1	2300.00	0.45	0.03	25.88		
	Asphalt Cross Cutting		326	7.50	0.45	0.03	27.51		
						Total	53.38	9767.52	521402.00
	Basic Rate	9044.00							
	Area weightage @ 8%	723.52							
	Total	9767.52							
20	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix **M10** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I-4.2 P-12 of KPWD SR 2013-14)								
	Concrete Road	Cum	1	222.0	0.45	0.10	9.99		
	Concrete Cross Cutting		40	7.00	0.45	0.10	12.60		
						Total	22.59	4497.12	101590.00
	Basic Rate	4164.00							
	Area weightage @ 8%	333.12							
	Total	4497.12							
21	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix **M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I-4.5 P-12 of KPWD SR 2013-14)								
	Concrete Road	Cum	1	222.0	0.45	0.15	14.99		
	Concrete Cross Cutting		40	7.0	0.45	0.15	18.90		
						Total	33.89	5323.32	180381.00

Sl. No.	Description	Unit	Dimensions No.	L.	B.	D	Qty.	Rate	Amount
	Asphalt Road	Sqm	1	2300.00	0.45		1035.00		
	Asphalt Cross Cutting		326	7.50	0.45		1100.25		
						Total	2135.25	17.93	38281.00
	Basic Rate	16.60							
	Area weightage @ 8%	1.33							
	Total	17.93							
19	KSRRB M500-18. Providing and laying **Semi Dense Bituminous Concrete** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% bitumen 60/70 grade (Grading II) (I-21.20.2, P-178 of KPWD SR 2013-14)								
	Asphalt Road	Cum	1	2300.00	0.45	0.03	25.88		
	Asphalt Cross Cutting		326	7.50	0.45	0.03	27.51		
						Total	53.38	9767.52	521402.00
	Basic Rate	9044.00							
	Area weightage @ 8%	723.52							
	Total	9767.52							
20	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix **M10** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I-4.2 P-12 of KPWD SR 2013-14)								
	Concrete Road	Cum	1	222.0	0.45	0.10	9.99		
	Concrete Cross Cutting		40	7.00	0.45	0.10	12.60		
						Total	22.59	4497.12	101590.00
	Basic Rate	4164.00							
	Area weightage @ 8%	333.12							
	Total	4497.12							
21	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix **M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I-4.5 P-12 of KPWD SR 2013-14)								
	Concrete Road	Cum	1	222.0	0.45	0.15	14.99		
	Concrete Cross Cutting		40	7.0	0.45	0.15	18.90		
						Total	33.89	5323.32	180381.00

Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
	Basic Rate	4929.00							
	Area weightage @ 8%	394.32							
	Total	5323.32							
22	Conveying the excavated earth silt debris and over burden earth etc., to a lead of upto 9 to 10 Kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete								
	Asphalt Road	Cum	1	2300.00	0.45	0.30	310.5		
	Concrete Road		1	222.00	0.45	0.25	24.975		
	Asphalt Cross Cutting		326	7.50	0.45	0.30	330.075		
	Concrete Cross Cutting		40	7.00	0.45	0.25	31.5		
						Total	697.05	94.82	66097.00
	Basic Rate	87.80							
	Area weightage @ 8%	7.02							
	Total	94.82							
23	Miscellaneous and other unforseen charges							L.S.	1090.00
							TOTAL	RS.	4990000.00
(Rupees Forty Nine Lakhs Ninty Thousand only)									

CERTIFICATE

1) The work spot has been inspected and the work is found to be necessary.
2) This estimate is prepared as per C.S.R. of 2013-14 and as per rate analysis.
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.

Asst.Engineer
Ward no.17

Assistant Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
R.R.Nagara Division
Bruhat Bengaluru Mahanagara Palike

ADMINISTRATIVE APPROVED

Rs : 49,90,000/- (Forty nine lakhs ninty thousand only) accorded under the head : .....

By AC (R.R.N.) : SL.NO. 2256

Vide Page No. 242-243 subject to conditions contained in enclosed memo No. : RR/2256/13-14 Date : 17/09/13

TA, AC (R.R.N.)

TECHNICAL SANCTION

Rs: 49,90,000/ (Forty Nine lakhs Ninety Thousand) is accorded under the head: .....

By CE(R.R.N.): SL.NO. 303 Pg NO. 92

Registered as CE (R.R.N) No: 303 subject to conditions contained in enclosed memo No: 303/13-14 Date: 18/09/13

TA, CE (R.R.N.)

Name of Work: Providing and laying HDPE waterline in Muthyalanagar Block-4 in J.P. Park ward No:17.